



Barataria Basin Landbridge Shoreline Protection, Phases 1 and 2 (BA-27)

Project Status

Approved Date: 1998 **Cost:** \$17.6 million
Project Area: 3,439 acres **Status:** Construction
Net Benefit After 20 Years: 1,304 acres
Project Type: Shoreline Protection

Location

The project is located approximately 3 miles south of Lafitte in western Jefferson Parish and eastern Lafourche Parish, Louisiana, on the western shoreline of Bayou Perot and the east/southeastern shoreline of Bayou Rigolettes.

Problems

Erosion rates of up to 114 feet/year along the western shoreline of Bayou Perot and the eastern shoreline of Bayou Rigolettes are causing severe marsh loss in the area. The Barataria Basin Landbridge is a key feature in the Barataria estuary, and it is likely to be lost if the erosion in the area is not reduced.

Restoration Strategy

Approximately 35,000 feet of shoreline protection will be implemented. Approximately 6,200 feet is a traditional foreshore rock dike. The remainder of the shoreline protection will consist of concrete panel structures.



Concrete panel structures such as this one dramatically reduce the wave energy that can erode fragile shorelines.



Rock dikes, lightweight core dikes, and concrete sheet pile structures were tested to determine constructability, stability, and applicability.

Progress to Date

At the April 14, 1999 meeting, the Louisiana Coastal Wetlands Conservation Restoration Task Force approved combining the Barataria Basin Landbridge, Phase 1 (PPL 7) project and the Barataria Basin Landbridge, Phase 2 (PPL 8) project. The project was recorded on Priority Project List 7. The project is separated into four construction units.

In May 2001, five types of shoreline protection techniques, or "test sections," were installed at two locations in the project area to determine constructability, stability, and applicability for the remainder of the project area.

Approximately 6,200 feet of foreshore rock dike was completed in 2002.

The remainder of the project will be constructed 2003-2005.

This project is on Priority Project List 7.

For more project information please contact:



Federal Sponsor:
 Natural Resources Conservation Service
 Alexandria, LA
 (318) 473-7756



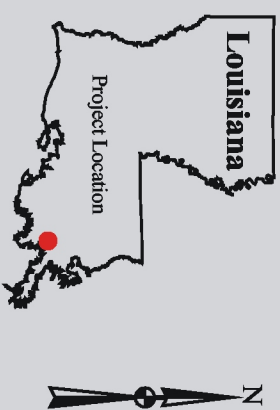
Local Sponsor:
 Louisiana Department of Natural Resources
 Baton Rouge, LA
 (225) 342-7308



Barataria Basin Landbridge Protection, Phases 1 and 2 (BA-27)

- Shoreline Protection *
- Project Boundary
- * denotes proposed features

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Map Produced By:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

Background Imagery:
1998 Digital Orthophoto Quarter Quadrangle
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